

# ABSTRACT

A method and apparatus for determining an efficient and reliable power level for the MS's transmitter for reverse link communications during a rescue procedure to rescue dropped calls quickly and with a high success rate is disclosed. A mobile station's mean rescue transmission output power level is computed by first determining the mobile station's mean receive input power level when the mobile station transmits during a connection rescue procedure. This mean receive input power level is then adjusted using up to four parameters. These four variables include (1) a pre-rescue power delta, (2) a rescue interference delta, (3) a rescue delay compensation value, and (4) a pre-determined value.

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